

Ref. 5

RADIO TRANSMISSION SYSTEM, AND METHOD FOR DECIDING DIRECTIVITY OF ANTENNA

Publication number: JP2000307494 (A)

Publication date: 2000-11-02

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Classification:

- international: *H04B7/26; H01Q3/00; H04B7/10; H04L12/28; H04B7/26; H01Q3/00; H04B7/02; H04L12/28; (IPC1-7): H04L12/28; H04B7/10; H01Q3/00; H04B7/26*

- European:

Application number: JP19990108712 19990416

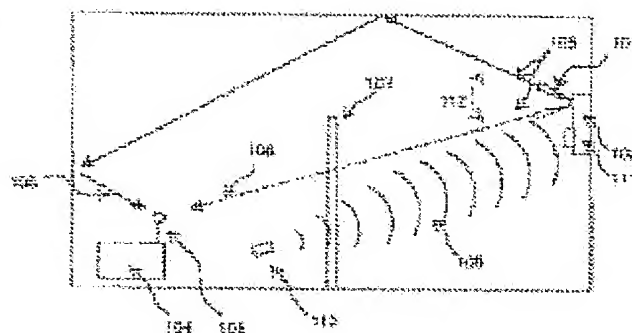
Priority number(s): JP19990108712 19990416

Also published as:

□ JP3544891 (B2)

Abstract of JP 2000307494 (A)

PROBLEM TO BE SOLVED: To easily set a radio wave propagation path by providing a 2nd communication means sending a signal to decide the directivity of a transmission antenna thereby unnecessitating the installation of an antenna in the middle of a ceiling and a huge radio wave absorbing body. **SOLUTION:** In the case of making communication from a terminal station 104 to a base station 102, an operator uses a remote controller 110 to transmit a setting signal denoting the antenna directivity to the base station 102 in terms of an ultrasonic wave 109, the base station 102 sets an antenna direction 112 according to it and conducts test transmission by using a frequency band for a 1st communication 105. The terminal station 104 measures and displays a radio reception strength of the 1st communication 105 and the operator evaluates its strength (or image quality).; The opposite party repeats this method to sequentially changes the directivity of the transmission antenna 101 as shown in caption 112 in Figure, selects the best antenna directivity, in this case, a connection path 108 for a radio communication channel using reflection in a ceiling and a wall, and designates the antenna directivity to the base station 102 and conducts the 1st communication.



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